

Table B1
Cost Analysis Summary - Contractor Transportation

Year	Source	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5	
		Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost
2003	External (Parks Highway)	29,500	\$789,181	3,000	\$47,626	30,200	\$869,630	3,000	\$47,626	3,000	\$47,626
	Teklanika - MP 27.2	3,700	\$36,963	27,650	\$296,144	450	\$8,096	27,200	\$288,048	27,200	\$288,048
	East Fork - MP 43							1,075	\$11,239	1,075	\$11,239
	Toklat - MP 53.4	5,450	\$158,948	3,875	\$169,730	1,000	\$23,140	3,250	\$155,330	3,250	\$155,330
	Beaver Pond - MP 70			3,775	\$38,112			3,775	\$38,112	3,775	\$38,112
	Boundary - MP 88			4,200	\$74,598						
	Moose Creek Terrace - MP 89					16,405	\$654,047				
	North Face Corner - MP 89	9,405	\$238,727								
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91							9,755	\$246,339	9,755	\$246,339
	Kantishna Airstrip - MP 93			5,555	\$105,767						
	2003 Year End Totals										
	Total Cubic Yards	48,055		48,055		48,055		48,055		48,055	
	Total Trucking Miles	229,169		77,390		312,699		80,836		80,836	
	Total Estimated Cost		\$1,223,819		\$731,977		\$1,554,913		\$786,695		\$786,695
2004	External (Parks Highway)	24,000	\$616,768	3,000	\$26,676	32,300	\$626,599	3,000	\$26,676	3,000	\$26,676
	Teklanika - MP 27.2	7,500	\$110,620	6,500	\$91,910	450	\$8,419	20,100	\$184,121	20,100	\$184,121
	East Fork - MP 43			23,250	\$366,358			9,650	\$96,765	9,650	\$96,765
	Toklat - MP 53.4	8,850	\$260,919	3,875	\$64,199	1,000	\$24,066	3,875	\$64,199	3,875	\$64,199
	Beaver Pond - MP 70			375	\$4,312			375	\$4,312	375	\$4,312
	Boundary - MP 88			800	\$11,140						
	Moose Creek Terrace - MP 89					7,050	\$259,492				
	North Face Corner - MP 89	450	\$10,034								
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91							3,800	\$82,734	3,800	\$82,734
	Kantishna Airstrip - MP 93			3,000	\$64,397						
	2004 Year End Totals										
	Total Cubic Yards	40,800		40,800		40,800		40,800		40,800	
	Total Trucking Miles	203,525		68,070		152,375		24,870		24,870	
	Total Estimated Cost		\$998,341		\$628,993	\$40,800	\$918,576	\$40,800	\$458,807	\$40,800	\$458,807
2005	External (Parks Highway)	27,800	\$1,132,235	3,000	\$108,069	29,900	\$1,203,270	3,000	\$108,828	3,000	\$108,828
	Teklanika - MP 27.2	5,100	\$68,345	11,900	\$196,902	450	\$8,756	5,100	\$68,345	5,100	\$68,345
	East Fork - MP 43			15,450	\$136,103			22,875	\$221,751	22,875	\$221,751
	Toklat - MP 53.4	2,500	\$82,829	875	\$20,679	1,000	\$25,028	250	\$5,797	250	\$5,797
	Beaver Pond - MP 70			375	\$4,366			375	\$4,485	375	\$4,485
	Boundary - MP 88			800	\$11,334						
	Moose Creek Terrace - MP 89					4,050	\$208,091				
	North Face Corner - MP 89									3,000	\$175,998
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			3,000	\$181,409			3,800	\$208,048	800	\$24,262
	Kantishna Airstrip - MP 93										
	2005 Year End Totals										
	Total Cubic Yards	35,400		35,400		35,400		35,400		35,400	
	Total Trucking Miles	309,325		86,130		329,675		73,045		71,245	
	Total Estimated Cost		\$1,283,409		\$658,863		\$1,445,146		\$617,255		\$609,467
2006	External (Parks Highway)	24,000	\$282,654	500	\$11,438	3,950	\$150,420	500	\$11,438	500	\$11,438
	Teklanika - MP 27.2	4,775	\$70,464	3,450	\$43,628	450	\$9,106	6,450	\$144,832	6,450	\$144,832
	East Fork - MP 43			450	\$5,057			450	\$5,057	450	\$5,057
	Toklat - MP 53.4	7,975	\$225,652	10,675	\$367,158	7,800	\$202,264	7,675	\$198,462	7,675	\$198,462
	Beaver Pond - MP 70			8,375	\$576,905			375	\$4,664	375	\$4,664
	Boundary - MP 88			800	\$12,050						
	Moose Creek Terrace - MP 89					24,550	\$2,418,809				
	North Face Corner - MP 89										
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			12,500	\$1,302,593			21,300	\$2,161,485	21,300	\$2,161,485
	Kantishna Airstrip - MP 93										
	2006 Year End Totals										
	Total Cubic Yards	36,750		36,750		36,750		36,750		36,750	
	Total Trucking Miles	68,510		387,380		456,945		408,220		408,220	
	Total Estimated Cost		\$578,770		\$2,318,828		\$2,780,598		\$2,525,938		\$2,525,938
2007	External (Parks Highway)	16,900	\$1,045,610	500	\$11,895	2,900	\$110,231	500	\$11,895	500	\$11,895
	Teklanika - MP 27.2	1,500	\$17,530	2,400	\$33,102	450	\$9,471	2,400	\$33,102	2,400	\$33,102
	East Fork - MP 43			3,850	\$48,177			450	\$5,259	450	\$5,259
	Toklat - MP 53.4	11,000	\$309,147	5,975	\$151,033	9,500	\$246,630	9,375	\$242,675	9,375	\$242,675
	Beaver Pond - MP 70			375	\$4,851			725	\$9,268	725	\$9,268

Year	Source	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5	
		Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost
	Boundary - MP 88			800	\$12,532						
	Moose Creek Terrace - MP 89			3,000	\$190,359	16,550	\$538,594			3,000	\$190,359
	North Face Corner - MP 89										
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			12,500	\$348,618			15,950	\$559,950	12,950	\$361,168
	Kantishna Airstrip - MP 93										
	2007 Year End Totals										
	Total Cubic Yards	29,400		29,400		29,400		29,400		29,400	
	Total Trucking Miles	293,925		53,330		63,595		55,470		53,670	
	Total Estimated Cost		\$1,372,287		\$800,567		\$904,924		\$862,151		\$853,728
2008	External (Parks Highway)	16,600	\$506,626	500	\$12,371	9,700	\$199,523	500	\$12,371	500	\$12,371
	Teklanika - MP 27.2	2,400	\$34,426	2,400	\$34,426	450	\$9,849	2,400	\$34,426	2,400	\$34,426
	East Fork - MP 43			6,750	\$69,778			6,750	\$69,778	6,750	\$69,778
	Toklat - MP 53.4	11,000	\$314,894	16,175	\$659,343	15,800	\$357,108	16,175	\$659,343	16,175	\$659,343
	Beaver Pond - MP 70			375	\$5,045			375	\$5,045	375	\$5,045
	Boundary - MP 88			800	\$13,033						
	Moose Creek Terrace - MP 89					4,050	\$234,074	800	\$25,735		
	North Face Corner - MP 89									3,000	\$197,974
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			3,000	\$206,734			3,000	\$206,734	800	\$27,292
	Kantishna Airstrip - MP 93										
	2008 Year End Totals										
	Total Cubic Yards	30,000		30,000		30,000		30,000		30,000	
	Total Trucking Miles	131,865		112,790		78,415		113,110		111,630	
	Total Estimated Cost		\$855,947		\$1,000,730		\$800,555		\$1,013,431		\$1,006,229

Year	Source	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5	
		Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost
2009	External (Parks Highway)	18,300	\$827,736	500	\$12,866	2,900	\$119,225	500	\$12,866	500	\$12,866
	Teklanika - MP 27.2	2,400	\$35,803	2,400	\$35,803	450	\$10,243	2,400	\$35,803	2,400	\$35,803
	East Fork - MP 43			450	\$5,688			450	\$5,688	450	\$5,688
	Toklat - MP 53.4	9,300	\$329,555	7,675	\$257,659	22,600	\$523,923	15,675	\$286,990	15,675	\$286,990
	Beaver Pond - MP 70			375	\$5,246			7,175	\$118,735	7,175	\$118,735
	Boundary - MP 88										
	Moose Creek Terrace - MP 89			800	\$25,954	4,050	\$243,437	3,350	\$223,030		
	North Face Corner - MP 89										
	Camp Ridge - MP 90			3,000	\$165,466						
	Downtown Kantishna - MP 91			14,800	\$1,060,682			450	\$13,574	3,800	\$243,387
2009 Year End Totals											
	Total Cubic Yards	30,000		30,000		30,000		30,000		30,000	
	Total Trucking Miles	220,265		186,030		86,915		66,850		68,190	
	Total Estimated Cost		\$1,193,095		\$1,569,365		\$896,829		\$696,687		\$703,469
2010	External (Parks Highway)	20,000	\$1,142,647	500	\$13,380	2,900	\$123,994	500	\$13,380	500	\$13,380
	Teklanika - MP 27.2	2,400	\$37,236	2,400	\$37,236	450	\$10,653	2,400	\$37,236	2,400	\$37,236
	East Fork - MP 43			450	\$5,916			450	\$5,916	450	\$5,916
	Toklat - MP 53.4	7,600	\$282,246	15,375	\$292,946	12,500	\$242,164	875	\$26,003	875	\$26,003
	Beaver Pond - MP 70			5,475	\$93,978			5,475	\$93,978	5,475	\$93,978
	Boundary - MP 88			800	\$14,096						
	Moose Creek Terrace - MP 89					14,150	\$693,201	19,500	\$1,217,605		
	North Face Corner - MP 89									15,300	\$1,061,946
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			5,000	\$156,859			800	\$29,519	5,000	\$156,859
2010 Year End Totals											
	Total Cubic Yards	30,000		30,000		30,000		30,000		30,000	
	Total Trucking Miles	288,565		42,490		103,555		152,430		147,050	
	Total Estimated Cost		\$1,462,129		\$614,411		\$1,070,013		\$1,423,637		\$1,395,318
2011	External (Parks Highway)	18,700	\$915,085	500	\$13,916	2,900	\$128,954	500	\$13,916	500	\$13,916
	Teklanika - MP 27.2	2,400	\$38,725	2,850	\$49,804	450	\$11,079	2,400	\$38,725	2,400	\$38,725
	East Fork - MP 43							450	\$6,152	450	\$6,152
	Toklat - MP 53.4	8,900	\$455,796	19,075	\$375,505	16,200	\$322,692	19,075	\$375,505	19,075	\$375,505
	Beaver Pond - MP 70			375	\$5,674			375	\$5,674	375	\$5,674
	Boundary - MP 88			800	\$14,660						
	Moose Creek Terrace - MP 89					10,450	\$451,091	7,200	\$223,745		
	North Face Corner - MP 89									6,400	\$187,790
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91			6,400	\$208,811					800	\$30,700
2011 Year End Totals											
	Total Cubic Yards	30,000		30,000		30,000		30,000		30,000	
	Total Trucking Miles	253,305		43,850		77,795		40,710		39,750	
	Total Estimated Cost		\$1,409,607		\$668,370		\$913,817		\$663,717		\$658,462

Year	Source	Alternative 1		Alternative 2		Alternative 3		Alternative 4		Alternative 5	
		Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost	Cubic Yards Used	Estimated Cost
2012	External (Parks Highway)	25,100	\$1,281,260	500	\$14,472	2,900	\$134,112	500	\$14,472	500	\$14,472
	Teklanika - MP 27.2	2,400	\$40,274	2,400	\$40,274	450	\$11,522	2,400	\$40,274	2,400	\$40,274
	East Fork - MP 43							450	\$6,398	450	\$6,398
	Toklat - MP 53.4	2,500	\$108,997	25,925	\$536,307	22,600	\$463,037	25,475	\$517,963	25,475	\$517,963
	Beaver Pond - MP 70			375	\$5,901			375	\$5,901	375	\$5,901
	Boundary - MP 88			800	\$15,247						
	Moose Creek Terrace - MP 89					4,050	\$273,834	800	\$30,106		
	North Face Corner - MP 89									800	\$29,195
	Camp Ridge - MP 90										
	Downtown Kantishna - MP 91										
	Kantishna Airstrip - MP 93										
	2012 Year End Totals										
	Total Cubic Yards	30,000		30,000		30,000		30,000		30,000	
	Total Trucking Miles	281,465		46,320		84,195		45,830		45,670	
	Total Estimated Cost		\$1,430,531		\$612,201		\$882,506		\$615,115		\$614,204
10-Year Totals	External (Parks Highway)	220,900	\$8,539,802	12,500	\$272,709	120,550	\$3,665,959	12,500	\$273,468	12,500	\$273,468
	Teklanika - MP 27.2	34,575	\$490,387	64,350	\$859,230	4,500	\$97,195	73,250	\$904,913	73,250	\$904,913
	East Fork - MP 43			50,650	\$637,077			43,050	\$434,004	43,050	\$434,004
	Toklat - MP 53.4	75,075	\$2,528,984	109,500	\$2,894,561	110,000	\$2,430,053	101,700	\$2,532,268	101,700	\$2,532,268
	Beaver Pond - MP 70			20,250	\$744,390			19,400	\$290,175	19,400	\$290,175
	Boundary - MP 88			10,600	\$178,689						
	Moose Creek Terrace - MP 89			3,800	\$216,314	105,355	\$5,974,671	31,650	\$1,720,221		
	North Face Corner - MP 89	9,855	\$248,761							31,500	\$1,843,262
	Camp Ridge - MP 90			3,000	\$165,466						
	Downtown Kantishna - MP 91			57,200	\$3,465,705			58,855	\$3,508,383	59,005	\$3,334,226
	Kantishna Airstrip - MP 93			8,555	\$170,164						
	Total Miles Traveled	2,279,919		1,103,780		1,746,164		1,061,371		1,051,131	
	10 Year Sums	340,405	\$11,807,934	340,405	\$9,604,304	340,405	\$12,167,878	340,405	\$9,663,432	340,405	\$9,612,316
	10 % Contingency	34,041	\$1,180,793	34,041	\$960,430	34,041	\$1,216,788	34,041	\$966,343	34,041	\$961,232
	10-Year Total	374,446	\$12,988,728	374,446	\$10,564,734	374,446	\$13,384,666	374,446	\$10,629,775	374,446	\$10,573,548

Cost	Per cubic yard per mile' round trip	0.80
	Processing cost for Teklanika in \$ per cubic yard	7.59
	Processing cost for North Face Corner in \$ per cubic yard	19.04
	Cost of Gravel External Park in \$ per cubic yard	4.5
	Inflation in %	0.04
	External D1	14